

FEDERAL SECURITY AGENCY

U.S. PUBLIC HEALTH SERVICE

NATIONAL INSTITUTE OF HEALTH

BETHESDA 14, MARYLAND

EBIMI

1-31-49 Vear Josh -Just rec'd your letter of 1-29. all my E, colimutants are derived from the following stocks: 1) ATC 9723 (Rospke's parent) 2) a pivine-requiring mutant of the above le (motants have double) 3) Tatum's 58 (reg. Crotin)-mutants hardouble 4) a pyrimidine-requiring mulant of 58 (rog brotint mulants have triple requirements) pyrimidine) None of my Ecali mutanto have been characterized for a specific amino aid or vitamin, but were assigned only to arrivacidgroup, Bortamin group purine group, pyrimidine group by auxanogram plate technic. I was never intrested much in Characterizing them. I have 350 or so good, Stable brocken mutanto that have never been chaint I have several times as many B. sublilies mutants + my stock of these is growing by

leaps & bounds, if you know anyone who'd like any of these I haven't been doingany E. coll work since summer, but have just now resumed my work on my purine requiring E. coli. I want to measure the P-P+ mulation-rate on the simple medium At the complex medium B, so as to complete the selection & mulation rate data. I thinked have enough selection data to publish it, when I get the mut rates, which should be included in The same paper. Maybe I'll give this at the SAB meeting, since I gave the earlier work thore last May. Lalso want to finish up my stuff on effects of U.V. + X-ray on frequency of reversion in multitional mutants by doing it on a couple of B. subtile Strains as spore suspensions, Just to compare with my data in the Ecolipurine reg bug Aanother E. coli 58 bistinand pyrimidine rog strain. at high dosages of U.V. & X-ray, plates of E. coli contained purine & pyrimidene from dead cell. maybe with B. sublilis spore suspensions & cango to higher dosages thanwacht, cohi, leefore the effect interferes and suggestion for a bod genetics of their your suggestion for a bod genetic conference is good. Howard out monday of the AB meeting starts. We y

could perhaps even start on Sunday, if possible & fenough guys would attend a round-table discussion, of some more-or-Roundtable francis with 3013 guys to give for 15 min the farment 2013 guys to load the discussion of these payers, There could be several of these each about Ihrs bong por Such headings as; 1)phoge 2) sex in boderia 3) biochemical mechanismoin bactered as shown by mutantstrains 4) antibiotic or drug resistance 5) nuclear material by factoria, Probably you have some better ideas. Would you want to limit it to bosteria, rinclude yeasts moldo? I think this a good idea, Josh & the proper officials planning the meeting might be consulted regarding reserving some kind of a room, if you think the

Tab meeting would be a good place for it Let me know what you think thow I could help, I could probably got some secretarial halp here, if you like to write some af the fellows who might participate in such a conference. another possibility that has occurred to me is that the N.Y. deadeny of sevenie might sponsor such a conference as you suggest. To you know, they're spinsed such meetings for highly speadyed field before, yours, Bollethrie